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Sequence Listing was accepted.

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Reviewer: markspencer

Timestamp: [year=2008; month=3; day=24; hr=15; min=14; sec=52; ms=364;]

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Application No: 10598736 Version No: 1.0

Input Set:

Output Set:

Started: 2008-03-11 13:48:54.434
Finished: 2008-03-11 13:48:55.045
Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 611 ms
Total Warnings: 9
Total Errors: 0
No. of SeqIDs Defined: 9
Actual SeqID Count: 9

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SEQUENCE LISTING

<110> INSERM

SANOFI-AVENTIS

<120> USE OF ANTAGONISTS TO THE CB1 RECEPTOR FOR THE MANUFACTURE OF A COMPOSITION USEFUL FOR THE TREATMENT OF HEPATIC DISEASES

<130> CB1

<140> 10598736

<141> 2008-03-11

<150> EP04290633

<151> 2004-03-09

<160> 9

<170> PatentIn version 3.1

<210> 1

<211> 472

<212> PRT

<213> Human

<400> 1

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Thr Thr Asp Leu Leu Tyr Val Gly Ser Asn Asp Ile Gln Tyr Glu Asp
20 25 30

Ile Lys Gly Asp Met Ala Ser Lys Leu Gly Tyr Phe Pro Gln Lys Phe

35

40

45

Pro Leu Thr Ser Phe Arg Gly Ser Pro Phe Gln Glu Lys Met Thr Ala
50 55 60

Gly Asp Asn Pro Gln Leu Val Pro Ala Asp Gln Val Asn Ile Thr Glu
65 70 75 80

Phe Tyr Asn Lys Ser Leu Ser Ser Phe Lys Glu Asn Glu Glu Asn Ile
85 90 95

Gln Cys Gly Glu Asn Phe Met Asp Ile Glu Cys Phe Met Val Leu Asn
100 105 110

Pro Ser Gln Gln Leu Ala Ile Ala Val Leu Ser Leu Thr Leu Gly Thr
115 120 125

Phe Thr Val Leu Glu Asn Leu Leu Val Leu Cys Val Ile Leu His Ser
130 135 140

Arg Ser Leu Arg Cys Arg Pro Ser Tyr His Phe Ile Gly Ser Leu Ala
145 150 155 160

Val Ala Asp Leu Leu Gly Ser Val Ile Phe Val Tyr Ser Phe Ile Asp
165 170 175

Phe His Val Phe His Arg Lys Asp Ser Arg Asn Val Phe Leu Phe Lys
180 185 190

Leu Gly Gly Val Thr Ala Ser Phe Thr Ala Ser Val Gly Ser Leu Phe
195 200 205

Leu Thr Ala Ile Asp Arg Tyr Ile Ser Ile His Arg Pro Leu Ala Tyr
210 215 220

Lys Arg Ile Val Thr Arg Pro Lys Ala Val Val Ala Phe Cys Leu Met
225 230 235 240

Trp Thr Ile Ala Ile Val Ile Ala Val Leu Pro Leu Leu Gly Trp Asn
245 250 255

Cys Glu Lys Leu Gln Ser Val Cys Ser Asp Ile Phe Pro His Ile Asp
260 265 270

Glu Thr Tyr Leu Met Phe Trp Ile Gly Val Thr Ser Val Leu Leu Leu
275 280 285

Phe Ile Val Tyr Ala Tyr Met Tyr Ile Leu Trp Lys Ala His Ser His
290 295 300

Ala Val Arg Met Ile Gln Arg Gly Thr Gln Lys Ser Ile Ile Ile His
305 310 315 320

Thr Ser Glu Asp Gly Lys Val Gln Val Thr Arg Pro Asp Gln Ala Arg
325 330 335

Met Asp Ile Arg Leu Ala Lys Thr Leu Val Leu Ile Leu Val Val Leu
340 345 350

Ile Ile Cys Trp Gly Pro Leu Leu Ala Ile Met Val Tyr Asp Val Phe
355 360 365

Gly Lys Met Asn Lys Leu Ile Lys Thr Val Phe Ala Phe Cys Ser Met
370 375 380

Leu Cys Leu Leu Asn Ser Thr Val Asn Pro Ile Ile Tyr Ala Leu Arg
385 390 395 400

Ser Lys Asp Leu Arg His Ala Phe Arg Ser Met Phe Pro Ser Cys Glu
405 410 415

Gly Thr Ala Gln Pro Leu Asp Asn Ser Met Gly Asp Ser Asp Cys Leu
420 425 430

His Lys His Ala Asn Asn Ala Ala Ser Val His Arg Ala Ala Glu Ser
435 440 445

Cys Ile Lys Ser Thr Val Lys Ile Ala Lys Val Thr Met Ser Val Ser
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Thr Asp Thr Ser Ala Glu Ala Leu
465 470

<210> 2

<211> 411

<212> PRT

<213> Human

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			20					25					30		
Glu	Asn	Ile	Gln	Cys	Gly	Glu	Asn	Phe	Met	Asp	Ile	Glu	Cys	Phe	Met
		35					40					45			
Val	Leu	Asn	Pro	Ser	Gln	Gln	Leu	Ala	Ile	Ala	Val	Leu	Ser	Leu	Thr
	50					55					60				
Leu	Gly	Thr	Phe	Thr	Val	Leu	Glu	Asn	Leu	Leu	Val	Leu	Cys	Val	Ile
65					70				75						80
Leu	His	Ser	Arg	Ser	Leu	Arg	Cys	Arg	Pro	Ser	Tyr	His	Phe	Ile	Gly
				85					90					95	
Ser	Leu	Ala	Val	Ala	Asp	Leu	Leu	Gly	Ser	Val	Ile	Phe	Val	Tyr	Ser
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Phe	Ile	Asp	Phe	His	Val	Phe	His	Arg	Lys	Asp	Ser	Arg	Asn	Val	Phe
		115					120					125			
Leu	Phe	Lys	Leu	Gly	Gly	Val	Thr	Ala	Ser	Phe	Thr	Ala	Ser	Val	Gly
	130					135						140			
Ser	Leu	Phe	Leu	Thr	Ala	Ile	Asp	Arg	Tyr	Ile	Ser	Ile	His	Arg	Pro
145					150					155					160
Leu	Ala	Tyr	Lys	Arg	Ile	Val	Thr	Arg	Pro	Lys	Ala	Val	Val	Ala	Phe
				165					170					175	
Cys	Leu	Met	Trp	Thr	Ile	Ala	Ile	Val	Ile	Ala	Val	Leu	Pro	Leu	Leu
			180					185					190		

Gly Trp Asn Cys Glu Lys Leu Gln Ser Val Cys Ser Asp Ile Phe Pro
195 200 205

His Ile Asp Glu Thr Tyr Leu Met Phe Trp Ile Gly Val Thr Ser Val
210 215 220

Leu Leu Leu Phe Ile Val Tyr Ala Tyr Met Tyr Ile Leu Trp Lys Ala
225 230 235 240

His Ser His Ala Val Arg Met Ile Gln Arg Gly Thr Gln Lys Ser Ile
245 250 255

Ile Ile His Thr Ser Glu Asp Gly Lys Val Gln Val Thr Arg Pro Asp
260 265 270

Gln Ala Arg Met Asp Ile Arg Leu Ala Lys Thr Leu Val Leu Ile Leu
275 280 285

Val Val Leu Ile Ile Cys Trp Gly Pro Leu Leu Ala Ile Met Val Tyr
290 295 300

Asp Val Phe Gly Lys Met Asn Lys Leu Ile Lys Thr Val Phe Ala Phe
305 310 315 320

Cys Ser Met Leu Cys Leu Leu Asn Ser Thr Val Asn Pro Ile Ile Tyr
325 330 335

Ala Leu Arg Ser Lys Asp Leu Arg His Ala Phe Arg Ser Met Phe Pro
340 345 350

Ser Cys Glu Gly Thr Ala Gln Pro Leu Asp Asn Ser Met Gly Asp Ser
355 360 365

Asp Cys Leu His Lys His Ala Asn Asn Ala Ala Ser Val His Arg Ala
370 375 380

Ala Glu Ser Cys Ile Lys Ser Thr Val Lys Ile Ala Lys Val Thr Met
385 390 395 400

Ser Val Ser Thr Asp Thr Ser Ala Glu Ala Leu
405 410

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<212> PRT

<213> Human

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<211> 23

<212> PRT

<213> Human

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Ser Phe Arg Gly Ser Pro Phe
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<211> 20

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<213> Human

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Asn Ile Gln Cys
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<212> PRT

<213> Human

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Glu Asp Gly Lys
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<210> 7

<211> 12

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<400> 7

Val Tyr Asp Val Phe Gly Lys Met Asn Lys Leu Ile
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<210> 8

<211> 20

<212> PRT

<213> Human

<400> 8

His Lys His Ala Asn Asn Ala Ala Ser Val His Arg Ala Ala Glu Ser
1 5 10 15

Cys Ile Lys Ser
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<210> 9

<211> 20

<212> PRT

<213> Human

<400> 9

His	Lys	His	Ala	Asn	Asn	Thr	Ala	Ser	Met	His	Arg	Ala	Ala	Glu	Ser
1				5					10					15	

Cys	Ile	Lys	Ser
			20